

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000529

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 27/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04L, H03D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 0169878 A1 (CONEXANT DIGITAL INFOTAINMENT LTD), 20 Sept 2001 (20.09.2001), page 2, line 9 - line 20; page 3, line 1 - page 8, line 5 --	1-4,7-23
X	EP 0837582 A2 (ALPINE ELECTRONICS, INC), 22 April 1998 (22.04.1998), page 10, line 46 - page 11, line 14; page 13, line 36 - page 15, line 23 --	1
A	EP 0955754 A1 (NOKIA TECHNOLOGY GMBH), 10 November 1999 (10.11.1999) --	1-23

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 January 2004

Date of mailing of the international search report

16-01-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Marianne Norrgren /LR
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000529

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9917493 A1 (SAMSUNG ELECTRONICS CO, LTD), 8 April 1999 (08.04.1999) --	1-23
A	US 5848107 A (PHILIPS, N.J.L.), 8 December 1998 (08.12.1998) -- -----	1-23

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/FI 2003/000529

WO	0169878	A1	20/09/2001	GB	0006217 D	00/00/0000
				GB	2365714 A	20/02/2002
EP	0837582	A2	22/04/1998	JP	10126288 A	15/05/1998
EP	0955754	A1	10/11/1999	FI	106592 B	00/00/0000
				FI	981015 A	08/11/1999
				US	6421401 B	16/07/2002
WO	9917493	A1	08/04/1999	AU	9465098 A	23/04/1999
				GB	0007373 D	00/00/0000
				GB	2346052 A,B	26/07/2000
				JP	2001518742 T	16/10/2001
				KR	234329 B	15/12/1999
US	5848107	A	08/12/1998	CA	2202752 A	27/02/1997
				CN	1097928 B	01/01/2003
				CN	1161121 A	01/10/1997
				EP	0786183 A	30/07/1997
				JP	10507616 T	21/07/1998
				WO	9707620 A	27/02/1997